ELSEVIER

AUTHOR INDEX

A
Abe H
See Murata J
See Terasaka S
See Yoshimoto T
Abe T, Matsumoto K, Iida M, Hayashi M, Sanno N, Osamura RY. Malignant carcinoid tumor of the anterior mediastinum metastasis to a prolactin-secreting pituitary adenoma: a case report, 389
Abood C. *See* Misra M
Agner C. *See* Dujovny M
Akashi K. *See* Sano H
Alabedeen Z, Jamjoom ZA. Growing fracture of the orbital roof, 184
Al-Mefty O. Efficacy of surgical treatment in traumatic central cord syndrome, 441-com
Alexander E Jr
A profession in retreat, 312-le
Subdural-peritoneal shunt for SDH, 427-le
Alp MS. *See* Misra M
Arai N. *See* Maehara T
Arienta C, Caroli M, Balbi S. Management of head injured patients in the emergency department: a practical protocol, 213
Arunkumar R. *See* Sano H
Asaoka K. *See* Terasaka S
Ausman JI
Charbel FT. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 343-com
The conditon of neurosurgery in Argentina: a warning to the rest of us, 207-ed
Editor's note, 2, 197, 320
The future of neurovascular surgery Part I: intracranial aneurysms, 98-ed
In this issue, 1-ed, 105-ed, 212-ed, 319-ed, 429-ed, 535-ed
The international disease of doctors, 425-ed
Neurosurgery and worldwide economics, 210-le
Reducing the costs of health care: the other side of the equation, 640-ed
Surgical treatment ofsolid brain stem tumors in adults: a report of 22 cases, 36-com
See Charbel FT
Aviles A. *See* Dujovny M

B
Balbi S. *See* Arienta C
Banerji D. *See* Behari S
Bao W-M. *See* Xu Q-W
Batjer HH. Classification and treatment of vertebral dissecting aneurysm, 605-com
Bean JR. The use of clinical practice guidelines (CPGs) to evaluate practice and control costs in ventriculoperitoneal shunt management, 541
Behari S, Banerji D, Phadke RV, Shukla S, Krishnani N, Chhabra DK. Multiple infected extradural parasellar hydatid cysts, 53
Bejjani GK, Karim NO, Tzortzidis F. Intrathecal granuloma after implantation of a morphine pump: case report and review of the literature, 288
Beldzinski P. *See* Ernestus R-I
Bengtsson B-A. *See* Petruson K
Berger MS. Stereotaxy reduces costs of brain tumor resection, 550-com
Besser M. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 344-com
Bhagwati SN. Management of arteriovenous malformations: Part II, 4
Bierbrauer K. *See* Jallo J
Black PM
Prediction of recurrence in histologically benign meningiomas: proliferating cell nuclear antigen and Ki-67 immunohistochemical study, 506-com
See Park JM
Blatt DR, Roper SN, Friedman WA. Invasive monitoring of limbic epilepsy using stereotactic depth and subdural strip electrodes: surgical technique, 74
Bloom D. *See* Salazar JL
Botella C. *See* Riesgo P
Bricolo A. *See* Nicolato A
Bristot R, Santoro A, Fantozzi L, Delfini R. Cavernoma of the cavernous sinus: case report, 160
Britt P. *See* Kuzma B
Brock M. Lutze M. Endoscopically assisted open removal of laterally herniated lumbar discs, 433-com
Brotchi J
Cranial osteomas: their classification and management. Report of a giant osteoma and review of the literature, 147-com
Intraspinal sarcoidosis: diagnosis and management, 521-com
Multiple intramedullary spinal sarcoidosis: case report, 526-com
Buchfelder M, Fahlbusch R. Clinical features and growth fractions of pituitary adenomas, 500-com

C
Cabanes J. *See* Riesgo P
Carey ME. An innovative approach for cranioplasty using hydroxyapatite cement, 297-com
Caroli M. *See* Arienta C
Castel JP. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 344-com

0090-3019/97/$17.00
PII S0090-3019(97)00519-3

© 1997 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

ELSEVIER

AUTHOR INDEX

A
Abe H
See Murata J
See Terasaka S
See Yoshimoto T
Abe T, Matsumoto K, Iida M, Hayashi M, Sanno N, Osamura RY. Malignant carcinoid tumor of the anterior mediastinum metastasis to a prolactin-secreting pituitary adenoma: a case report, 389
Abood C. *See* Misra M
Agner C. *See* Dujovny M
Akashi K. *See* Sano H
Alabedeen Z, Jamjoom ZA. Growing fracture of the orbital roof, 184
Al-Mefty O. Efficacy of surgical treatment in traumatic central cord syndrome, 441-com
Alexander E Jr
A profession in retreat, 312-le
Subdural-peritoneal shunt for SDH, 427-le
Alp MS. *See* Misra M
Arai N. *See* Maehara T
Arienta C, Caroli M, Balbi S. Management of head injured patients in the emergency department: a practical protocol, 213
Arunkumar R. *See* Sano H
Asaoka K. *See* Terasaka S
Ausman JI
Charbel FT. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 343-com
The conditon of neurosurgery in Argentina: a warning to the rest of us, 207-ed
Editor's note, 2, 197, 320
The future of neurovascular surgery Part I: intracranial aneurysms, 98-ed
In this issue, 1-ed, 105-ed, 212-ed, 319-ed, 429-ed, 535-ed
The international disease of doctors, 425-ed
Neurosurgery and worldwide economics, 210-le
Reducing the costs of health care: the other side of the equation, 640-ed
Surgical treatment ofsolid brain stem tumors in adults: a report of 22 cases, 36-com
See Charbel FT
Aviles A. *See* Dujovny M

B
Balbi S. *See* Arienta C
Banerji D. *See* Behari S
Bao W-M. *See* Xu Q-W
Batjer HH. Classification and treatment of vertebral dissecting aneurysm, 605-com
Bean JR. The use of clinical practice guidelines (CPGs) to evaluate practice and control costs in ventriculoperitoneal shunt management, 541
Behari S, Banerji D, Phadke RV, Shukla S, Krishnani N, Chhabra DK. Multiple infected extradural parasellar hydatid cysts, 53
Bejjani GK, Karim NO, Tzortzidis F. Intrathecal granuloma after implantation of a morphine pump: case report and review of the literature, 288
Beldzinski P. *See* Ernestus R-I
Bengtsson B-A. *See* Petruson K
Berger MS. Stereotaxy reduces costs of brain tumor resection, 550-com
Besser M. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 344-com
Bhagwati SN. Management of arteriovenous malformations: Part II, 4
Bierbrauer K. *See* Jallo J
Black PM
Prediction of recurrence in histologically benign meningiomas: proliferating cell nuclear antigen and Ki-67 immunohistochemical study, 506-com
See Park JM
Blatt DR, Roper SN, Friedman WA. Invasive monitoring of limbic epilepsy using stereotactic depth and subdural strip electrodes: surgical technique, 74
Bloom D. *See* Salazar JL
Botella C. *See* Riesgo P
Bricolo A. *See* Nicolato A
Bristot R, Santoro A, Fantozzi L, Delfini R. Cavernoma of the cavernous sinus: case report, 160
Britt P. *See* Kuzma B
Brock M. Lutze M. Endoscopically assisted open removal of laterally herniated lumbar discs, 433-com
Brotchi J
Cranial osteomas: their classification and management. Report of a giant osteoma and review of the literature, 147-com
Intraspinal sarcoidosis: diagnosis and management, 521-com
Multiple intramedullary spinal sarcoidosis: case report, 526-com
Buchfelder M, Fahlbusch R. Clinical features and growth fractions of pituitary adenomas, 500-com

C
Cabanes J. *See* Riesgo P
Carey ME. An innovative approach for cranioplasty using hydroxyapatite cement, 297-com
Caroli M. *See* Arienta C
Castel JP. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 344-com

0090-3019/97/$17.00
PII S0090-3019(97)00519-3

© 1997 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

Cavallaro T. *See* Mondelli M
Chacko AG, Chandy MJ. Diagnostic and staged stereotactic aspiration of multiple bihemispheric pyogenic brain abscesses, 278
Chakrabortty S, Tamaki N, Ehara K, Takahashi A, Ide C. Experimental syringomyelia: late ultrastructural changes of spinal cord tissue and magnetic resonance imaging evaluation, 246
Chandy MJ
See Chacko AG
See Haran RP
Chang JW. *See* Park YG
Charbel FT. *See* Ausman JI
Low cerebral blood flow and perfusion reserve induce hyperperfusion after surgical revascularization: case reports and analysis of cerebral hemodynamics, 139-com
Obliteration of a giant carotid aneurysm after extracranial-to-intracranial bypass surgery: case report, 476-com
Hoffman WE, Misra M, Hannigan K, Ausman JI. Cerebral interstitial tissue oxygen tension, pH, HCO3, CO2, 414
Chason JL
Cerebellar pilocytic astrocytoma with leptomeningeal dissemination: case report, 51-com
Cerebral meningioangiomatosis: case report, 260-com
Chen T-Y, Lee S-T, Lui T-N, Wong C-W, Yeh Y-S, Tzaan W-C, Hung S-Y. Efficacy of surgical treatment in traumatic central cord syndrome, 435
Chesnut RM. Management of head injured patients in the emergency department: a practical protocol, 219-com
Chhabra DK. *See* Behari S
Chigasaki H. *See* Nakau H
Chitoku S, Kawai S, Watabe Y, Nishitani M, Fujimoto K, Otsuka H, Fushimi H, Kotoh K. Multiple intramedullary spinal sarcoidosis: case report, 522
Cho E-S. *See* Maniker AH
Choi J-U. *See* Kim D-S
Chung S-S. *See* Kim D-S
Chung SS. *See* Park YG
Ciappetta P. Middle cerebral artery aneurysm complicated by tuberculosis, 449
Cohen AR
Pearl jam, 313-le
See Robinson S
Cole HO
MRI artifacts following anterior cervical diskectomy, 29-com
Orbital-frontal delayed hemorrhagic contusions: clinical course and neurosurgical treatment protocol, 337-com
Connolly ES, Kader AA, Frazzini VI, Winfree CJ, Solomon RA. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 338
Coumnerova LC. *See* Park JM

D

Day JD. *See* Matula C
de Almeida GM
Middle cerebral artery aneurysm complicated by tuberculosis, 448
Operation on high-lying basilar bifurcation aneurysms, 464-com
de Jesús O, Hernández V. Aneurysm reinforcement in the anterior circulation, 482
de Sousa AA. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 343-com
Debrum G. Preoperative and postoperative magnetic resonance imaging (MRI) findings on radiciculomeningeal arteriovenous malformations: important role of gravity in the symptoms and MRI, 356-com
Deletis V. *See* Jallo D
Delfini R. *See* Bristot R
Dhir JS. *See* Gupta SK
Di Rocco C. Management of tethered spinal cord, 320
Dix JE. *See* Lanzino G
Dobben G. *See* Salazar JL
Drapkin AJ. Endoscopy and chronic SDH, 427-le
Dujovny M
Aviles A, Agner C. An innovative approach for cranioplasty using hydroxyapatite cement, 294
See Misra M
Dunsker SB. The location of the intervertebral lumbar disc on the posterior aspect of the spine, 236-com

E

Ebraheim NA, Miller RM, Xu R, Yeasting RA. The location of the intervertebral lumbar disc on the posterior aspect of the spine, 232
Echizenya K. *See* Terasaka S
Ehara K. *See* Chakabortty S
Eljamel MS. MRI for CSF rhinorrhea, 531-le
Eller TW. Cost advantages of two-level anterior cervical fusion with rigid internal fixation for radiculopathy and degenerative disease, 565-com
Epstein FJ. *See* Jallo D
Erden A. *See* Gibo H
Ernestus R-I, Beldzinski P, Lanfermann H, Klug N. Chronic subdural hematoma: surgical treatment and outcome in 104 patients, 220

F

Fahlbusch R. *See* Buchfelder M
Fantozzi L. *See* Bristot R
Farber E. *See* Jallo J
Farias JP, Trindade AM. Giant distal anterior cerebral artery aneurysm not visualized on angiography: case report, 348
Farley JA. *See* Park JM
Fernandez E
Marchese E. Surgical correction of proximal femoral nerve entrapment, 329-com
Pallini R, Lauretti L, Scogna A, La Marca F. Carpal tunnel syndrome, 323
Pallini R, Lauretti L, Scogna A. Neurosurgery of the peripheral nervous system: injuries, degeneration, and regeneration of the peripheral nerves, 446
Ferrari S. *See* Nicolato A
Field EM. Arachnoid cyst of the lateral ventricle, 404-com
Fischer G. Intraspinal sarcoidosis: diagnosis and management, 521-com
Floris R. *See* Fraioli B
Fraioli B, Pastore FS, Floris R, Vagnozzi R, Simonetti G, Liccardo G, Giuffré R. Computed tomography-guided transsphenoidal closure of postsurgical cerebrospinal fluid fistula: a transmucosal needle technique, 409
Frank E. Endoscopically assisted open removal of laterally herniated lumbar discs, 430

Frazzini VI. *See* Connolly ES Jr
Friedman WA. *See* Blatt BR
Frim DM. *See* Park JM
Fujimoto K. *See* Chitoku S
Fujimoto S. *See* Terasaka S
Fujita T, Kayama T, Sato I, Fukai H, Hachiki S, Sobue H, Nakai O. NRSA meningitis and intrathecal injection of arbekacin, 69
Fukai H. *See* Fujita T
Fukui M
Vasoconstrictive surgery for radiation-induced vasculopathy in childhood, 626-com
See Hamada Y
Fushimi H. *See* Chitoku S

G
Gaikwad SB. *See* Sharma MC
Gangemi M. *See* Maiuri F
Geer CP. *See* Polinsky MN
George B
Brain stem compression secondary to adipose graft prolapse after transpetrosal apporach: case report, 84-com
The Course of the Prevertebral segment of the vertebral artery: anatomy and clinical significance, 131-com
Resection of a recurrent parasagittal meningioma with cortical vein anastomosis: technical note, 597-com
Surgical removal of a cavernous sinus chondroma, 159-com
Gerosa M. *See* Nicolato A
Gerszten PC, Welch WC, Spearman MP, Jungreis CA, Redner RL. Isolated deep cerebral venous thrombosis treated by direct endovascular thrombolysis, 261
Ghimenton C. *See* Nicolato A
Giannotta SL. *See* LeMay DR
Gibo H, Marinković S, Nikodijević I, Stimec B, Erden A. The blood supply of the hypoglossal nerve: the microsurgical anatomy of its cisternal segment, 85
Giovanelli M. Transsphenoidal adenomectomy in Cushing's disease via a lateral rhinotomy approach, 37-com
Giuffré R. *See* Fraioli B
Goel A. Vascularized pedicled laminoplasty, 442
Gonzales-Portillo G. *See* Misra M
Goodman JM
Computed tomography-guided transsphenoidal closure of postsurgical cerebrospinal fluid fistula: a transmucosal needle technique, 413-com
Malignant carcinoid tumor of the anterior mediastinum metastasis to a prolactin-secreting pituitary adenoma: a case report, 394-com
Symptomatic pneumocephalus after transsphenoidal surgery, 578-com
See Kuzma B
Groenewoud G. *See* Reijneveld J
Gupta SK
Dhir JS, Khosla VK. Traumatic spinal subarachnoid hematoma: report of a case with MRI, 189
Manjunath-Prasad KS, Sharma BS, Khosla VK, Kak VK, Minz M, Sakhuja VK, Brain abscess in renal transplant recipients: report of three cases, 284

H
Haase J. Low cerebral blood flow and perfusion reserve induce hyperperfusion after surgical revascularization: case reports and analysis of cerebral hemodynamics, 139-com
Haddad FS
Draping an infant for repair of meningomyelocele, 530-rc
Haddad GF, Zaatari G. Cranial osteomas: their classification and management. Report of a giant osteoma and review of the literature, 143
Haddad GF. *See* Haddad FS
Haisa T. *See* Kohno M
Hamada Y, Iwaki T, Fukui M, Tateishi J. A comparative study of embedded nerve tissue in six NF2-associated schwannomas and 17 nonassociated NF2 schwannomas, 395
Hanlo P. *See* Reijneveld J
Hannigan K. *See* Charbel FT
Haran RP, Chandy MJ. Symptomatic pneumocephalus after transsphenoidal surgery, 575
Hardy J. Intrasellar meningioma mimicking pituitary apoplexy: case report, 381-com
Hayakawa M. *See* Sano H
Hayakawa T. *See* Maruno M
Hayashi M. *See* Abe T
Heffez DS. Stereotactic transsylvian, transinsular appproach for deep-seated lesions, 113
Hernádez V. *See* de Jesús O
Hinton DR. *See* LeMay DR
Hoff JT. Management of head injured patients in the emergency department: a practical protocol, 219-com
Hoffman HJ
The Canadian Health Care System, 94
Growing fracture of the orbital roof, 188-com
The role of neuroendoscopy in treatment of pineal region tumors, 366-com
Hoffman WE. *See* Charbel FT
Hongo K. *See* Kobayashi S
Houkin K
See Ishikawa T
See Yoshimoto T
Houtteville JP. An analysis of the natural history of cavernous malformations, 18-com
Houtteville J-P. Brain cavernoma: a dynamic lesion, 610
Hung S-Y. *See* Chen T-Y
Hunt CD. Computerized tomography and magnetic resonance guided stereotactic brain biopsy in nonimmunocompromised and AIDS patients, 277-com

I
Iaconetta G. *See* Maiuri F
Ide C. *See* Chakabortty S
Iida M. *See* Abe T
Iljima A. *See* Maeda K
Imai Y. *See* Morikawa M
Ishikawa T, Houkin K, Yoshimoto T, Abe H. Vasoconstrictive surgery for radiation-induced vasculopathy in childhood, 620
Itoh H. *See* Morikawa M
Iwaki T. *See* Hamada Y

J
Jakobsson K-E. *See* Petruson K

Jallo GI, Zagzag D, Lee M, Deletis V, Morota N, Epstein FJ. Intraspinal sarcoidosis: diagnosis and management, 514
Jallo J, Nathan D, Bierbrauer K, Farber E. Chordoma: a case report, 46
Jamjoom B. *See* Alabedeen Z
Jansen G. *See* Reijneveld J
Jiang D-L. *See* Xu Q-W
Jungreis CA. *See* Gerszten PC

K
Kabuto M
MRI for CSF rhinorrhea, 532-le
See Takeuchi H
Kader AA. *See* Connolly ES Jr
Kak VK. *See* Gupta SK
Kallmes DF. *See* Lanzino G
Kanno T. *See* Sano H
Kanpolat Y. Diagnostic and staged stereotactic aspiration of multiple bihemispheric pyogenic brain abscesses, 283-com
Kaptain G. *See* Lanzino G
Karim NO. *See* Bejjani GK
Kashiwaba T. *See* Yoshimoto T
Kassell NF. *See* Lanzino G
Kato Y. *See* Sano H
Kaufman HH. *See* Killeffer JA
Kawai S. *See* Chitoku S
Kawase T. *See* Yamaguchi N
Kayama T. *See* Fujita T
Kazee AM. *See* Mullins KJ
Keller E. *See* Van Roost D
Khosla VK. *See* Gupta SK
Killeffer JA, Kaufman HH. Inadvertent intraoperative myelography with hypaque: case report and discussion, 70
Kim D-S, Park Y-G, Choi J-U, Chung S-S, Lee K-C. An analysis of the natural history of cavernous malformations, 9
Kim E-Y *See* Park YG
Kitai R
Sato K, Kubota T, Kabuto M, Uno H, Kobayashi H. Hypertrophic cranial pachymeningitis involving the pituitary gland: a case report, 58
See Takeuchi H
Kitazawa S. *See* Kudo H
Kitsuta Y. *See* Ueda S
Kline DG
Advice to a recent neurosurgery resident, 203-rc
Surgical correction of proximal femoral nerve entrapment, 329-com
Klug N. *See* Ernestus R-I
Kobayashi H. *See* Kitai R
Kobayashi S
Intra-aneurysmal pressure changes during angiography in coil embolization, 457-com
Operation on high-lying basilar bifurcation aneurysms, 464-com
Revascularization of the anterior cerebral artery using a free superficial temporal artery graft: a case report, 169-com
The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 344-com
Hongo K. Management of arteriovenous malformations: Part II, 2
Kohno K
Kumon Y, Oka Y, Matsui S, Ohue S, Sakaki S. Evaluation of prognostic factors following expansive laminoplasty for cervical spinal stenotic myelopathy, 237
See Kumon Y
Kohno M, Takahashi H, Yagishita A, Haisa T, Segawa H. Preoperative and postoperative magnetic resonance imaging (MRI) findings of radiiculomeningeal arteriovenous malformations: important role of gravity in the symptoms and MRI, 352
Koike T
See Sorimachi T
See Takeuchi S
Kokunai T
See Morikawa M
See Yonezawa K
Koos WT. *See* Matula C
Kornblith PL
Cerebellar pilocytic astrocytoma with leptomeningeal dissemination: case report, 52-com
Kotoh K. *See* Chitoku S
Krishnani N. *See* Behari S
Kristof R. *See* Van Roost D
Kubo T. *See* Maruno M
Kubota M. *See* Kitai R
Kubota T
See Kitai R
See Takeuchi H
Kudo H, Takaishi Y, Minami H, Takamoto T, Kitazawa S, Maeda S, Tamaki N. Intrasellar meningioma mimicking pituitary apoplexy: case report, 374
Kumon Y
Sakaki S, Kohno K, Ohta S, Ohue S, Oka Y. Asymptomatic unruptured carotid-opththalmic artery aneurysms: angiographical differentiation of each type, operative results, and indications, 465
See Kohno K
Kurata H. *See* Morikawa M
Kuroda S. *See* Yoshimoto T
Kushner J. A profession in retreat, 313-le
Kuzma BB
Goodman JM. Diagnosis of atlanto-occipital dislocation, 418
Goodman JM. Pitfalls of facial nerve enhancement on MRI, 636
Goodman JM. Spinal cord swelling and brain lesions in lupus myelitis, 200
Goodman JM. The T2 hypointense brain abscess capsule: is it pathognomonic?, 298
Goodman JM, Britt P. Capillary telangiectasia of the pons, 93

L
La Marca F. *See* Fernandez E
Ladziński P, Maliszewski M, Majchrzak H. The accessory anterior cerebral artery: case report and anatomic analysis of vascular anomaly, 171
Lanfermann H. *See* Ernestus R-I
Lanzino G, Kaptain G, Kallmes DF, Dix JE, Kassell NF. Intracranial dissecting aneurysm causing subarachnoid hemorrhage: the role of computerized tomographic angiography and magnetic resonance angiography. 477
Lauretti L. *See* Fernandez E
Laws ER Jr. *See* Simeone FA
Lawton MT, Spetzler RF. Management of arteriovenous malformations: Part II, 5

Lee K-C. *See* Kim D-S
Lee KC. Middle cerebral artery aneurysm complicated by tuberculosis, 449
Lee M. *See* Jallo D
Lee S-T. *See* Chen T-Y
Lee TT, Villanueva PA. Orbital-frontal delayed hemorrhagic contusions: clinical course and neurosurgical treatment protocol, 333
LeMay DR, Sun JK, Mendel E, Hinton DR, Giannotta SL. Chondromyxoid fibroma of the temporal bone, 148
Liccardo G. *See* Fraioli B
Lindstedt G. *See* Petruson K
Loftman BA. Neurosurgery and worldwide economics, 209-le
Long DM. Cavernoma of the cavernous sinus: case report, 163-com
Lovell LR. *See* Simeone FA
Lüdecke D. Transsphenoidal adenomectomy in Cushing's disease via a lateral rhinotomy approach, 44-com
Lui T-N. *See* Chen T-Y
Lutze M. *See* Brock M
Luzzati R. *See* Nicolato A

M

Madsen JR. *See* Park JM
Maeda K, Usui M, Tsutsumi K, Iijima A. Spontaneous occlusion of a giant basilar tip aneurysm and a giant basilar artery due to the dissection of both structures: case report, 606
Maeda S. *See* Kudo H
Maeda Y. *See* Niwa J
Maehara T, Shimizu H, Nakayama H, Oda M, Arai N. Surgical treatment of epilepsy from schizencephaly with fused lips, 507
Mafee MF. Hypertrophic cranial pachymeningitis involving the pituitary gland: a case report, 63-com
Mahapatra AK. *See* Sharma MC
Maiuri F, Iaconetta G, Gangemi M. Arachnoid cyst of the lateral ventricle, 401
Majchrzak H. *See* Ladziński P
Malis LI
A comparative study of embedded nerve tissue in six NF2-associated schwannomas and 17 nonassociated NF2 schwannomas, 400-com
Resection of a recurrent parasagittal meningioma with cortical vein anastomosis: technical note, 596-com
Stereotactic transsylvian, transinsular appproach for deep-seated lesions, 124-com
Vascularized pedicled laminoplasty, 445-com
Maliszewski M. *See* Ladziński P
Maniker AH, Cho E-S, Schulder M. Neurosarcoid infiltration of the ventricular catheter causing shunt failure: a case report, 527
Manjunath-Prasad KS. *See* Gupta sK
Mao R-L. *See* Xu Q-W
Marchese E. *See* Fernandez E
Marinković S. *See* Gibo H
Maroon JC. Inadvertent intraoperative myelography with hypaque: case report and discussion, 70-com
Maruno M, Yoshimine T, Kubo T, Hayakawa T. A case of giant cell reparative granuloma of the petrous bone: demonstration of the proliferative component, 64
Matsui S. *See* Kohno K
Matsumoto K. *See* Abe T
Matsumura S. *See* Niwa J
Matsuyama T, Shimomura T, Okumura Y, Sakaki T. Rapid resolution of symptomatic acute subdural hematoma: case report, 193
Matula C, Trattnig S, Tschabitscher M, Day JD, Koos WT. The Course of the Prevertebral segment of the vertebral artery: anatomy and clinical significance, 125
Maurer PK. *See* Mullins KJ
McLaughlin MR, Purighalla V, Pizzi FJ. Cost advantages of two-level anterior cervical fusion with rigid internal fixation for radiculopathy and degenerative disease, 560
Meixensberger J. Cerebral interstitial tissue oxygen tension, pH, HCO3, CO2, 417-com
Mendel E. *See* LeMay DR
Mendoza-Vega J. Advice to young neurosurgeons: not just "a lot of science," 300-rc
Meyers SP. *See* Mullins KJ
Milhorat TH. Experimental syringomyelia: late ultrastructural changes of spinal cord tissue and magnetic resonance imaging evaluation, 254-com
Miller RM. *See* Ebraheim NA
Minakawa T. *See* Sorimachi T
Minami H. *See* Kudo H
Minz M. *See* Gupta SK
Misra M
Dujovny M, Alp MS. Endoscopic instruments, 140
Dujovny M, Gonzales-Portillo G, Abood C. Cranial titanium osteosynthesis systems, 632
See Charbel FT
See Salazar JL
Miyazawa T. *See* Nakau H
Mizoi K
An analysis of the natural history of cavernous malformations, 18-com
Brain cavernoma: a dynamic lesion, 614-com
See Yoshimoto T
Mondelli M, Reale F, Cavallaro T. Neuroma of the sural nerve as a complication of stripping of the small saphenous vein, 330
Morikawa M, Tamaki N, Kokunai T, Nagashima T, Kurata H, Yamamoto K, Imai Y, Itoh H. Cerebellar pilocytic astrocytoma with leptomeningeal dissemination: case report, 49
Morota N. *See* Jallo D
Mullins KJ, Meyers SP, Kazee AM, Powers JM, Maurer PK. Primary solitary amyloidosis of the spine: a case report and review of the literature, 405
Murai H. *See* Terasaka S
Murata J, Sawamura Y, Saito H, Abe H. Resection of a recurrent parasagittal meningioma with cortical vein anastomosis: technical note, 592

N

Nagashima T. *See* Morikawa M
Nakagawa H. Endoscopically assisted open removal of laterally herniated lumbar discs, 434-com
Nakai O. *See* Fujita T
Nakau H, Miyazawa T, Tamai S, Tsuchiya K, Shima K, Shirotani T, Chigasaki H. Pathologic significance of meningeal enhancement ("flare sign") of meningiomas on MRI, 584
Nakayama H. *See* Maehara T
Natelson SE. Surgical correction of proximal femoral nerve entrapment, 326
Nathan D. *See* Jallo J
Navarro J. *See* Riesgo P

Nicolato A, Gerosa M, Piovan E, Ghimenton C, Luzzati R, Ferrari S, Bricolo A. Computerized tomography and magnetic resonance guided stereotactic brain biopsy in nonimmunocompromised and AIDS patients, 267
Nikodijević I. *See* Gibo H
Ninomiya T. *See* Sano H
Nishitani M. *See* Chitoku S
Niwa J, Matsumura S, Maeda Y, Ohoyama H. Transcondylar approach for dural arteriovenous fistulas of the cervicomedullary junction, 627
Nozaki J. *See* Takeuchi H

O

Oda M. *See* Maehara T
Ohira T. *See* Yamaguchi N
Ohoyama H. *See* Niwa J
Ohta S. *See* Kumon Y
Ohue S
See Kohno K
See Kumon Y
Oka Y
See Kohno K
See Kumon Y
Okuma I. *See* Sano H
Okumura Y. *See* Matsuyama T
Oppenheim J. *See* Spitzer D
Orozco M. *See* Riesgo P
Osamura RY. *See* Abe T
Ostertag CB. The role of neuroendoscopy in treatment of pineal region tumors, 366-com
Otsuka H. *See* Chitoku S

P

Pallini R. *See* Fernandez E
Park JK, Frim DM, Schwartz MS, Reidy P, Farley JA, Black PM, Scott RM, Coumnerova LC, Madsen JR. The use of clinical practice guidelines (CPGs) to evaluate practice and control costs in ventriculoperitoneal shunt management, 536
Park Y-G. *See* Kim D-S
Park YG, Kim E-Y, Chang JW, Chung SS. Volume changes following Gamma Knife radiosurgery of intracranial tumors, 488
Parkinson D. Trigger mechanisms of trigeminal neuralgia, 534-le
Pastore FS. *See* Fraioli B
Pawl RP. Lumbar disc surgery in a fixed compensation population: a model for influence of secondary gain on surgical outcome, 559-com
Peerless SJ
Asymptomatic unruptured carotid-opthalmic artery aneurysms: angiographical differentiation of each type, operative results, and indications, 465
Operation on high-lying basilar bifurcation aneurysms, 464-com
The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 344-com
Spontaneous occlusion of a giant basilar tip aneurysm and a basilar artery due to the dissection of both structures: case report, 609-com
Pendl G. The role of neuroendoscopy in treatment of pineal region tumors, 367-com
Peter JC. Management of tethered spinal cord, 320
Petruson B. *See* Petruson K
Petruson K, Jakobsson K-E, Petruson B, Lindstedt G, Bengtsson B-A. Transsphenoidal adenomectomy in Cushing's disease via a lateral rhinotomy approach, 37
Phadke RV. *See* Behari S
Phillippon J. Prediction of consistency of meningiomas with preoperative magnetic resonance imaging, 583-com
Pierre-Kahn A. Pathologic significance of meningeal enhancement ("flare sign") of meningiomas on MRI, 591-com
Piovan E. *See* Nicolato A
Piquer J. *See* Riesgo P
Pizzi FJ. *See* Mclaughlin MR
Polinsky MN, Geer CP, Ross DA. Stereotaxy reduces costs of brain tumor resection, 542
Pollak R. Brain abscess in renal transplant recipients: report of three cases, 287-com
Post KD
Computed tomography-guided transsphenoidal closure of postsurgical cerebrospinal fluid fistula: a transmucosal needle technique, 413-com
Intrasellar meningioma mimicking pituitary apoplexy: case report, 381-com
Powers JM. *See* Mullins KJ
Purighalla V. *See* Mclaughlin MR

R

Rappaport ZH: Management of arteriovenous malformations: Part II, 4
Reale F. *See* Mondelli M
Redner RL. *See* Gerszten PC
Reidy P. *See* Park JM
Reijneveld J, Hanlo P, Groenewoud G, Jansen G, van Overbeeke K, Tulleken C. Endolymphatic sac tumor: a case report and review of the literature, 368
Rhoney DH. *See* Robertson PS
Riesgo P, Piquet J, Botella C, Orozco M, Navarro J, Cabanes J. Delayed extradural hematoma after mild head injury: report of three cases, 226
Rizzo A. *See* Spallone A
Robertson PS, Rhoney DH. Prophylaxis for anaphylactoid reactions in high risk patients receiving radiopaque contrast media, 292
Robinson J, Spetzler RF. An analysis of the natural history of cavernous malformations, 18-com
Robinson S, Cohen AR. The role of neuroendoscopy in treatment of pineal region tumors, 360
Roper SN. *See* Blatt BR
Rosenfeld JV
Diagnostic and staged stereotactic aspiration of multiple bihemispheric pyogenic brain abscesses, 283-com
Xuan NT. Neurosurgery in Vietnam, 307-ed
Ross DA. *See* Polinsky MN
Rutledge BJ. Philosophy of practice development, 302

S

Sadasivan B. Aneurysm reinforcement in the anterior circulation, 487-com
Sagoh M. *See* Yamaguchi N
Saito H. *See* Murata J
Sakaki S
See Kohno K
See Kumon Y
Sakaki T. *See* Matsuyama T

Sakhuja VK. *See* Gupta SK
Salazar JL, Misra M, Bloom D, Dobben G. MRI artifacts following anterior cervical diskectomy, 23
Samii M. Solitary giant skull base schwannomas—report of four cases, 388-com
Sanno M. *See* Abe T
Sano H
Revascularization of the anterior cerebral artery using a free superficial temporal artery graft: a case report, 170-com
Kato Y, Akashi K, Yamaguchi S, Hayakawa M, Arunkumar R, Kanno T. Operation on high-lying basilar bifurcation aneurysms, 458
Kato Y, Okuma I, Yamaguchi S, Ninomiya T, Arunkumar R, Kanno T. Classification and treatment of vertebral dissecting aneurysm, 598
Santoro A. *See* Bristot R
Sarkar C. *See* Sharma MC
Sato I. *See* Fujita T
Sato K. *See* Kitai R
Satoh M. *See* Terasaka S
Sawamura Y
See Murata J
See Terasaka S
Schulder M. *See* Maniker AH
Schwartz MS. *See* Park JM
Scogna A. *See* Fernandez E
Scott RM. *See* Park JM
Segawa H. *See* Kohno M
Sen C. Chondromyxoid fibroma of the temporal bone, 152-com
Sengupta RP. The safety of intraoperative lumbar subarachnoid drainage for acutely ruptured intracranial aneurysm: technical note, 343-com
Seymour JL. Inadvertent intraoperative myelography with hypaque: case report and discussion, 70-com
Shaffrey CI. *See* Simeone FA
Shahani BT. Development and prevention of frozen shoulder after acute aneurysm surgery, 22-com
Shapiro SA, Snyder W. Spinal instrumentation with a low complication rate, 566
Sharma BS. *See* Gupta SK
Sharma MC, Mahapatra AK, Gaikwad SB, Sarkar C. Solitary giant skull base schwannomas—report of four cases, 382
Shibuya M. A new balloon-controlled temporary vascular clip, 347-com
Shiga H. *See* Yamaguchi N
Shima K. *See* Nakau H
Shimizu H. *See* Maehara T
Shimomura T. *See* Matsuyama T
Shirotani T. *See* Nakau H
Shukla S. *See* Behari S
Simeone FA. Lumbar disc surgery in a fixed compensation population: a model for influence of secondary gain on surgical outcome, 559-com
Simonetti G. *See* Fraioli B
Slavin KV. Computer Forum, 96, 205, 306, 422, 532, 638
Snyder W. *See* Shapiro SA
Sobue H. *See* Fujita T
Solomon RA. *See* Connolly ES Jr
Sorimachi T, Takeuchi S, Koike T, Minakawa T, Tanaka R. Intra-aneurysmal pressure changes during angiography in coil embolization, 451
Sotelo J
Multiple infected extradural parasellar hydatid cysts, 57-com
Treatment of brain cysticercosis, 110
Spallone A, Rizzo A. Brain stem compression secondary to adipose graft prolapse after transpetrosal approach: case report, 80
Spearman MP. *See* Gerszten PC
Spetzler RF
See Lawton MT
See Robinson J
Spitzer D, Oppenheim J. Arterial subdural hematoma, 210-le
Stein BM. Gamma Knife radiosurgery, 7-le
Stern WE
A perspective on the changing scene for the physician in health care. 423-ed
Stimec B. *See* Gibo H
Stoniewski P, Zieliński P. Remote effects of brain retraction on regional cerebral blood flow and cerebrovascular reserve on single photon emission computed tomography, 511
Subczynski HA. Remote effects of brain retraction on regional cerebral blood flow and cerebrovascular reserve on single photon emission computed tomography, 513-com
Sun JK. *See* LeMay DR
Symon L. *See* Tacconi L
Sypert GW
Multiple intramedullary spinal sarcoidosis: case report, 526-com
Spinal instrumentation with a low complication rate, 574-com

T

Tacconi L, Thom M, Symon L. Cerebral meningioangiomatosis: case report, 255
Takahashi A. *See* Chakabortty S
Takahashi H. *See* Kohno M
Takaishi Y. *See* Kudo H
Takamoto T. *See* Kudo H
Takeuchi H, Kubota T, Kabuto M, Kitai R, Nozaki J, Yamashita J. Prediction of recurrence in histologically benign meningiomas: proliferating cell nuclear antigen and Ki-67 Immunohistochemical study, 501
Takeuchi S
Koike T, Tanaka R. Anastomosis of the superficial temporal artery to the middle cerebral artery with the interposed occipital artery graft in moyamoya disease: case report, 615
See Sorimachi T
Tamai S. *See* Nakau H
Tamaki N
See Chakabortty S
See Kudo H
See Morikawa M
See Yonezawa K
Tamaki T. *See* Morikawa M
Tanaka R
See Sorimachi T
See Takeuchi S
Tanishima T, Yoshimasu N. Development and prevention of frozen shoulder after acute aneurysm surgery, 19
Tarlov EC. H. Endoscopically assisted open removal of laterally herniated lumbar discs, 434-com
Tateishi J. *See* Hamada Y
Tauber M
van Loveren HR. Solitary giant skull base schwannomas—report of four cases, 388-com
See van Loveren HR

Terasaka S
Satoh M, Echizenya K, Murai H, Fujimoto S, Asaoka K. Revascularization of the anterior cerebral artery using a free superficial temporal artery graft: a case report, 164
Sawamura Y, Abe H. Surgical removal of a cavernous sinus chondroma, 153
Thom M. *See* Tacconi L
Tobias E
Eli's Pearls, 95-rc, 203-rc, 300-rc, 422-rc, 530-rc
Pearl jam, 314-le
Tomsick TA. *See* Yeh H
Toya S. *See* Yamaguchi N
Trattnig S. *See* Matula C
Trindade AB. *See* Farias JP
Tschabitscher M. *See* Matula C
Tsuchiya K. *See* Nakau H
Tsutsumi K. *See* Maeda K
Tulleken C. *See* Reijneveld J
Tzaan W-C. *See* Chen T-Y
Tzortzidis F. *See* Bejjani GK

U
Ueda S, Kitsuta Y, Umekawa J. A new balloon-controlled temporary vascular clip, 345
Umekawa J. *See* Ueda S
Uno H. *See* Kitai R
Ushio Y. Pathologic significance of meningeal enhancement ("flare sign") of meningiomas on MRI, 591-com
Usui M. *See* Maeda K

V
Vagnozzi R. *See* Fraioli B
van Loveren HR
Tauber M. Cavernoma of the cavernous sinus: case report, 163-com
See Tauber M
van Overbeeke JJ. The blood supply of the hypoglossal nerve: the microsurgical anatomy of its cisternal segment, 91-com
van Overbeeke K. *See* Reijneveld J
Van Roost D, Kristof R, Wolf HK, Keller E. Intracerebral capillary telangiectasia and venous malformation: a rare association, 175
VanGilder JC
Clinical features and growth fractions of pituitary adenomas, 500-com
Transsphenoidal adenomectomy in Cushing's disease via a lateral rhinotomy approach, 37-com
Vapalahti M. Pathologic significance of meningeal enhancement ("flare sign") of meningiomas on MRI, 591-com
Villanueva PA. *See* Lee TT
Viñuela F. Isolated deep cerebral venous thrombosis treated by direct endovascular thrombolysis, 266-com
Vossler DG. *See* Wyker AR

W
Watabe Y. *See* Chitoku S
Welch WC. *See* Gerszten PC
Wilberger JE. Evaluation of prognostic factors following expansive laminoplasty for cervical spinal stenotic myelopathy, 245-com
Winfree CJ. *See* Connolly ES Jr
Wissinger JP. An innovative approach for cranioplasty using hydroxyapatite cement, 297-com
Wolf HK. *See* Van Roost D
Wong C-W. *See* Chen T-Y
Wyler AR
Invasive monitoring of limbic epilepsy using stereotactic depth and subdural strip electrodes, 79-com
Surgical treatment of epilepsy from schizencephaly with fused lips, 510-com
Vossler DG. Recent advancements in epilepsy, 105

X
Xu Q-W, Bao W-M, Mao R-L, Jiang D-J, Yang G-Y. Surgical treatment of solid brain stem tumors in adults: a report of 22 cases, 30
Xu R. *See* Ebraheim NA
Xuan NT. *See* Rosenfeld JV

Y
Yagishita A. *See* Kohno M
Yamaguchi N, Kawase T, Sagoh M, Ohira T, Shiga H, Toya S. Prediction of consistency of meningiomas with preoperative magnetic resonance imaging, 579
Yamaguchi S. *See* Sano H
Yamamoto K. *See* Morikawa M
Yamashita J. *See* Takeuchi H
Yang G-Y. *See* Xu Q-W
Yashon D. Aneurysm reinforcement in the anterior circulation, 487-com
Yeasting RA. *See* Ebraheim NA
Yeh H, Tomsick TA. Obliteration of a giant carotid aneurysm after extracranial-to-intracranial bypass surgery: case report, 473
Yeh Y-S. *See* Chen T-Y
Yonekawa T. Vasoconstrictive surgery for radiation-induced vasculopathy in childhood, 626-com
Yonezawa K, Tamaki N, Kokunai T. Clinical features and growth fractions of pituitary adenomas, 494
Yoshimasu N. *See* Tanishima T
Yoshimine T. *See* Maruno M
Yoshimoto T
Intra-aneurysmal pressure changes during angiography in coil embolization, 457-com
Houkin K, Kuroda S, Abe H, Kashiwaba T. Low cerebral blood flow and perfusion reserve induce hyperperfusion after surgical revascularization: case reports and analysis of cerebral hemodynamics, 132
Mizoi K. Aneurysm reinforcement in the anterior circulation, 487-com
See Ishikawa T
Young JN, Shaffrey CI, Laws ER Jr. Lovell LR. Lumbar disc surgery in a fixed compensation population: a model for influence of secondary gain on surgical outcome, 552

Z
Zaatari G. *See* Haddad FS
Zagzag D. *See* Jallo D
Zieliński P. *See* Stoniewski P

ELSEVIER

SUBJECT INDEX

A
Abducens palsy, intrasellar meningioma and, 374
Abscess, brain
  multiple bihemispheric pyogenic, diagnostic and staged stereotactic aspiration of, 278
  in renal transplant recipients, 284
  T2 hypointense capsule, 298
Adenoma
  middle ear, temporal lobe tumors and, 368
  pituitary. *See* Pituitary adenoma
Adenomectomy, transsphenoidal, via lateral rhinotomy approach, in Cushing's disease, 37
AIDS, computerized tomography and magnetic resonance imaging guided stereotactic brain biopsy in, 267
AMA, 312-le
Amyloidosis, of spine, primary solitary, 405
Anaphylactoid reactions, prophylaxis for, in high risk patients receiving radiopaque contrast media, 292
Anastomosis
  cortical vein, resection of recurrent parasagittal meningioma with, 592
  of superficial temporal artery to middle cerebral artery with interposed occipital artery graft, in moyamoya disease, 615
Anatomy of Nerves and Muscles (Computer Forum), 97
Anatomy Project: Neuroanatomy, 1, 2, and 3 (CD-ROM) (Computer Forum), 528
Aneurysm
  acute, surgery, development and prevention of frozen shoulder after, 19
  basilar bifurcation, high-lying, operation on, 458
  carotid, giant, obliteration of, after extracranial-to intracranial bypass surgery, 473
  carotid-ophthalmic artery, unruptured, angiographic differentiation, 465
  giant
  basilar tip, spontaneous occlusion of, due to dissection, 606
  distal anterior cerebral artery, not visualized on angiography, 348
  intracranial
  accessory anterior cerebral artery and, 171
  acutely ruptured, intraoperative lumbar subarachnoid drainage of, safety of, 338
  dissecting, causing subarachnoid hemorrhage, angiography of, 477
  interventional techniques, future of, 98-ed
  middle cerebral artery, complicated by tuberculosis, 448
  pressure changes during angiography in coil embolization, 451
  reinforcement with muslin and ethyl-2 cyanoacrylate, 477
  vertebral dissecting, classification and treatment of, 598
Angiography
  computerized tomographic and magnetic resonance, of intracranial dissecting aneurysm causing subarachnoid hemorrhage, 477
  of course of prevertebral segment of vertebral artery, 125
  differentiation of unruptured carotid-ophthalmic artery aneurysm, 465
  intra-aneurysmal pressure changes during, 451
Angiotensin-converting enzyme, management of intraspinal sarcoidosis with, 514
Anterior cerebral artery
  accessory, 171
  dissecting aneurysm, causing subarachnoid hemorrhage, angiography of, 477
  giant aneurysm, not visualized on angiography, 348
  revascularization of, using a free superficial temporal artery graft, 164
Anterior cervical fusion, two-level, with rigid internal fixation for radiculopathy and degenerative disease, cost effectiveness of, 560
Anticonvulsant drugs, recent advancements in, 106
Antithrombin III deficiency, deep cerebral venous thrombosis related to, 261
Antlanto-occipital dislocation, diagnosis of, 418
Apoplexy, pituitary, intrasellar meningioma mimicking, 374
Appendectomy, via McBurney incision, nerves involved in, 301-rc
Arachnoid cyst, of lateral ventricle, 401
Arbekacin, intrathecal injection of, for methicillin-resistant *Staphylococcus aureus* meningitis, 69
Argentina, neurosurgery in, 207-ed
Arterial anomaly, accessory anterior accessory artery, 171
Arterial subdural hematoma, 210-le
Arteriovenous fistula, spinal dural, transcondylar approach for, 627
Arteriovenous malformation
  management Part II, 2
  radiculomeningocele, importance of gravity in symptoms and magnetic resonance imaging of, 352
Artifacts, magnetic resonance imaging, following anterior cervical diskectomy, 23
Aspiration, stereotactic, of multiple bihemispheric pyogenic brain abscesses, 278
Astrocytoma, pilocytic, cerebellar, with leptomeningeal dissemination, 49

0090-3019/97/$17.00
PII S0090-3019(97)00520-X

© 1997 by Elsevier Science Inc.
655 Avenue of the Americas, New York, NY 10010

B
Balloon manipulation, for temporary vascular clip, 345
Basilar artery
  bifurcation aneurysm, high-lying operation on, 458
  spontaneous occlusion, with giant basilar tip aneurysm occlusion, due to dissection of both structures, 606
Bleeding rate, in cavernous malformations, 9
Brachial plexus injury, nerve involvement in, 527-rc
Brain
  abscess. *See* Abscess
  biopsy, stereotactic, computerized tomography and magnetic resonance imaging guided, in nonimmunocompromised and AIDS patients, 267
  cystocercosis, treatment of, 110
  lesions, in lupus myelitis, 200
  retraction, remote effects on regional cerebral blood flow and cerebrovascular reserve on single photon emission computed tomography, 511
  tumors
  cavernoma, 610
  pineal region, role of neuroendoscopy in treatment of, 360
  resection, stereotaxy application to, cost reduction by, 542
  volume changes following gamma knife radiosurgery, 488
Brain stem
  compression, secondary to adipose graft prolapse, 80
  tumors, solid, surgical treatment of, 30

C
Canadian Health Care System, 86
Capillary telangiectasia
  intracerebral, 175
  of pons, 87
Carbon dioxide, cerebral interstitial tissue, 414
Carcinoid tumor, anterior mediastinum, metastasis to prolactin-secreting pituitary adenoma, 389
Carotid aneurysm, giant, obliteration, after extracranial-to-intracranial bypass surgery, 473
Carotid artery stenosis, neovascular glaucoma following carotid endarterectomy, 357
Carotid-ophthalmic artery, unruptured aneurysm, angiographic differentiation, 465
Carpal tunnel syndrome, 323
Catheter, intrathecal, morphine pump with, granuloma formation on, 288
Cauda equina, sarcoidosis, diagnosis and management, 514
Cavernoma
  brain, 610
  cavernous sinus, 160
Cavernous malformations, natural history, analysis of, 9
Cavernous sinus
  cavernoma, 160
  chondroma, surgical removal of, 153
Central cord syndrome, traumatic, efficacy of surgical treatment in, 435
Central nervous system, infection. *See* Abscess
Cerebellum, pilocytic astrocytoma of, with leptomeningeal dissemination, 49
Cerebral artery. *See also* Anterior cerebral artery
  as source of blood supply to cisternal segment of hypoglossal nerve, 85
Cerebral blood flow, remote effects of brain retraction on, evaluation of, 511
Cerebral oxygen tension, 414
Cerebral perfusion reserve, hyperperfusion after surgical revascularization and, 125
Cerebral vascular malformation, occult, intracerebral capillary telangiectasia and, 175
Cerebrospinal fluid rhinorrhea, magnetic resonance imaging for, 533-le
Cerebrospinal leak, closure, by computed tomography-guided transsphenoidal surgery, transmucosal needle technique, 409
Cerebrovascular reserve, remote effects of brain retraction on, evaluation of, 511
Cervical plate, anterior, rigid internal fixation for radiculopathy and degenerative disease with, cost advantage of, 560
Cervical spinal stenotic myelopathy, expansive laminoplasty for, prognostic factors following, evaluation of, 237
Cervicomedullary junction, dural arteriovenous fistula of, transcondylar approach for, 627
Children. *See* Infants and children
Chondroma, cavernous sinus, surgical removal of, 153
Chondromyxoid fibroma, of temporal bone, 148
Chordoma, 46
Clinical Neurology (CD-ROM) (Computer Forum), 421
Clinical practice guidelines, use to evaluate practice and control costs in ventriculoperitoneal shunt management, 536
Computed tomography
  of arachnoid cyst of lateral ventricle, 401
  cerebral and spinal (CD-ROM) (Computer Forum), 421
  of delayed extradural hematoma after mild head injury, 226
  -guided needle technique, for transsphenoidal closure of cerebrospinal fluid fistula, 409
  -guided stereotactic aspiration of multiple bihemispheric pyogenic brain abscesses, 278
  -guided stereotactic brain biopsy in nonimmunocompromised and AIDS patients, 267
  of head injury, 213
  single-photon emission, remote effects of brain retraction on regional cerebral blood flow and cerebrovascular reserve on, 511
  of traumatic spinal subarachnoid hematoma, 189
Computed tomography angiography, of intracranial dissecting aneurysm causing subarachnoid hemorrhage, 477
Computer Forum
  Anatomy of Nerves and Muscles, 97
  Anatomy Project: Neuroanatomy, 1, 2, and 3, 528
  Cerebral and spinal computerized tomography, 421
  Clinical neurology, 421
  Inflammatory myopathies and muscular dystrophies, 638
  Introductory tour of the Internet, 305
  Journal of Neurosurgery, 205
  Louisiana State University Medical Center Department of Neurosurgery, 97
  Neuroscience for Kids, 529
  Neurosurgery, 305

Neurosurgery at Massachusetts General Hospital/Harvard Medical School, 96
Neurosurgery quiz, 205
Virtual Human Project, 638
Contrast media, radiopaque, anaphylactoid reactions in high risk patients receiving, prophylaxis for, 292
Contusion, delayed hemorrhagic, orbital-frontal, 333
Conus medullaris, in radiculomeningocele, arteriovenous malformation, 352
Cortical vein, anastomosis, resection of recurrent parasagittal meningioma with, 592
Corticosteroids, management of spinal sarcoidosis with, 514, 522
Cost control
in health care, 640-ed
by use of stereotaxy in brain tumor resection, 542
in ventriculoperitoneal shunt management, use of clinical practice guidelines in, 536
Cost effectiveness, of two-level anterior cervical fusion with rigid internal fixation for radiculopathy and degenerative disease, 560
Cranial titanium osteosynthesis systems, 632
Craniopharyngioma, transpetrosal approach for, brain stem compression secondary to adipose graft prolapse after, 80
Cranioplasty, using hydroxyapatite cement, 294
Craniostomy, burr hole, for chronic subdural hematoma, 220
Craniotomy
for chronic subdural hematoma, 220
stereotaxy-guided, cost reduction by, 542
Cushing's disease, transsphenoidal adenomectomy in, via lateral rhinotomy approach, 37
Cyst
arachnoid, of lateral ventricle, 401
cerebrospinal fluid, growing fracture of orbital roof and, 184
extradural parasellar hydatid, multiple infected, 53
Cystocercosis, brain, treatment of, 110

D

Degenerative disease, two-level anterior cervical fusion with rigid internal fixation for, cost advantages of, 560
Developing countries, Vietnam, neurosurgery in, 307-ed
Diplopia, in intrasellar meningioma, 374
Disability evaluation, for outcome of lumbar disc surgery in fixed compensation population, 552
Diskectomy
cervical, MRI artifacts following, 23
lumbar, 232
Dissection of basilar artery, spontaneous occlusion of giant basilar tip aneurysm and basilar artery due to, 606
Doppler sonography, color coded, of course of prevertebral segment of vertebral artery, 125
Dural sinus thrombosis, treated by direct endovascular thrombolysis, 261

E

Echinococcus, multiple infected extradural parasellar hydatid cysts causes by, 53
Economics, worldwide, neurosurgery and, 209-le
Editorials
The Condition of Neurosurgery in Argentina: A Warning To The Rest of Us, 207
Future of neurovascular surgery Part I: intracranial aneurysms, 98
International disease of doctors, 425
Neurosurgery in Vietnam, 307
Perspective on the changing scene for the physician in health care, 422
Reducing the costs of health care: the others side of the equation, 640
In this issue, 1, 105, 211, 320, 429, 535
Editor's note
Management of arteriovenous malformations, 2
Elderly, chronic subdural hematoma in, surgical treatment and outcome, 220
Electrocorticography
intraoperative, in epilepsy from schizencephaly with fused lips, 507
in limbic epilepsy, 74
Electrodes, endoscopic monopolar electrosurgical, 140
Eli's Pearls. *See* Resident's corner
Embedded nerve tissue, in neurofibromatosis-2-associated and nonassociated schwannoma, 395
Embolization, coil, intra-aneurysmal pressure changes during angiography in, 451
Emergency department, management of head injury in, 213
Endarterectomy, carotid
hyperperfusion after, low cerebral blood flow and perfusion reserve induced, 125
neovascular glaucoma following, 357
Endolymphatic sac tumor, features of, 368
Endoscopic instruments, 140
Endoscopy. *See also* Neuroendoscopy
-assisted open removal of laterally herniated lumbar discs, 430
for chronic SDH, 427-le
Epilepsy
limbic, invasive monitoring, using stereotactic depth and subdural strip electrodes, 74
recent advancements in, 106
from schizencephaly with fused lips, surgical treatment of, 507
Ethyl-2 cyanoacrylate, aneurysm reinforcement with, 477
Extracranial-to-intracranial bypass, obliteration of giant carotid aneurysm after, 473

F

Facial nerve enhancement on MRI, pitfalls of, 636
Fat graft, prolapse, brain stem compression secondary to, 80
Femoral nerve, proximal, entrapment, surgical correction of, 326
Fibrinolysis, treatment of isolated deep cerebral venous thrombosis by, 261
Fistula, cerebrospinal fluid, computed-tomography-guided transsphenoidal closure, transmucosal needle technique, 409
Flare sign, of meningioma, on MRI, pathologic significance of, 584
Forceps, endoscopic, 140
Fracture, growing, of orbital roof, 184

Frozen shoulder, development and prevention of, after acute aneurysm surgery, 19

G
Gamma Knife radiosurgery, 7-le
  of intracranial tumors, volume changes following, 488
Giant aneurysm. *See* Aneurysm
Giant cell granuloma, reparative, of petrous bone, proliferative component of, 64
Glasgow coma scale, in delayed extradural hematoma after mild head injury, 226
Glaucoma, neovascular, following carotid endarterectomy, 357
Graft
  adipose. *See* Fat graft
  interposed occipital artery, in moyamoya disease, anastomosis of superior temporal artery to middle cerebral artery with, 615
  superficial temporal artery, free, revascularization of anterior cerebral artery using, 164
Granuloma
  giant cell, reparative, of petrous bone, 64
  intrathecal, after implantation of morphine pump, 288
Gravity, importance in symptoms and magnetic resonance imaging of radiculomeningocele arteriovenous malformation, 352
Growth fraction of pituitary adenomas, 494

H
Harvard Medical School/Massachusetts General Hospital, neurosurgery at (Computer Forum), 97
Head injury
  growing fracture of orbital roof, 184
  management, in emergency department, 213
  mild, delayed extradural hematoma after, 226
Headache, in intrasellar meningioma, 374
Health care
  physician in, perspective on changing scene for (editorial), 422
  reducing costs of, 640-ed
Hematoma
  extradural, delayed, after mild head injury, 226
  subarachnoid, spinal traumatic, 189
  subdural. *See* Subdural hematoma
Hemorrhage, intracranial, subarachnoid. *See* Subarachnoid hemorrhage
Herniated disc, lumbar, endoscopically assisted open removal of, 430
Hydatid cyst, extradural parasellar, multiple infected, 53
Hydrocephalus
  in acutely ruptured intracranial aneurysm, safety of intraoperative lumbar subarachnoid drainage, 338
  development in neurosarcoid, shunt failure in, 527
  related to pineal region tumors, 360
Hydroxyapatite bone, cranioplasty using, 294
Hypaque, intraoperative myelography with, 70
Hyperosomolar therapy, of orbital-frontal delayed hemorrhagic contusions, 333
Hypoglossal nerve, cisternal segment, blood supply of, 85
Hypoxia, cerebral, 414

I
Iliopectineal arch, femoral nerve entrapment at, 326
Infants and children
  chordoma, 46
  draping of, for repair of meningomyelocele, 527-rc
  vasoreconstructive surgery for radiation-induced vasculopathy in, 620
Inflammatory myopathies and muscular dystrophies (CD-ROM) (Computer Forum), 638
Instruments, endoscopic, 140
Internal carotid artery, atypical branch of, 171
Internal fixation, rigid, for radiculopathy and degenerative disease, cost effectiveness of, 560
Internal fixation hardware, infection, 566
Internet, introductory tour of, Computer Forum, 305
Intracranial pressure, management, in orbital-frontal delayed hemorrhagic contusions, 333
Intramedullary lesions, sarcoidosis, multiple, 522
Ischemia, cerebral, oxygen tension in, 414

J
Journal of Neurosurgery (CD-ROM) (computer forum), 205

K
Ki-67, immunohistochemical study, for predicting recurrence in histologically benign meningiomas, 501

L
Laminectomy, removal of laterally herniated lumbar disc, 430
Laminoplasty
  expansive, for cervical spinal stenotic myelopathy, prognostic factors following, evaluation of, 237
  vascularized pedicled, 442
Language, editorial comments on, 642-le
Lateral ventricle, arachnoid cyst of, 401
Leptomeninges, cerebellar pilocytic astrocytoma dissemination to, 49
Lobectomy, temporal, 106
Louisiana State University Medical Center Department of Neurosurgery (Computer Forum), 97
Lumbar disc
  intervertebral, location on posterior aspect of spine, 232
  laterally herniated, endoscopically assisted open removal of, 430
  surgery, in fixed compensation population, influence of secondary gain on surgical outcome, 552
Lymph node biopsy, in posterior cervical triangle, nerves involved in, 301-rc

M
Magnetic resonance angiography, of intracranial dissecting aneurysm causing subarachnoid hemorrhage, 477
Magnetic resonance imaging
  of arachnoid cyst of lateral ventricle, 401
  artifacts, following anterior cervical diskectomy, 23
  for CSF rhinorrhea, 533-le

for evaluation of prognostic factors following expansive laminoplasty for cervical spinal myelopathy, 237
facial nerve enhancement on, pitfalls of, 636
findings of radiculomeningocele arteriovenous malformations, 352
-guided stereotactic brain biopsy in nonimmunocompromised and AIDS patients, 267
prediction of consistency of meningioma with, 579
of syringomyelia, 246
of traumatic spinal subarachnoid hematoma, 189
Malpractice case, 197
Massachusetts General Hospital/Harvard Medical School, neurosurgery at (Computer Forum), 97
Mediastinum, anterior, carcinoid tumor, metastasis to prolactin-secreting pituitary adenoma, 389
Medicolegal issues, concerning a malpractice case, 197
Meningeal enhancement (flare sign), of meningiomas on MRI pathologic significance of, 584
Meningioangiomatosis, cerebral, 255
Meningioma
benign, prediction of recurrence in, proliferating cell nuclear antigen and Ki-67 immunohistochemical study, 501
consistency, prediction of, with preoperative magnetic resonance imaging, 579
intrasellar, mimicking pituitary apoplexy, 374
meningeal enhancement (flare sign) on MRI, pathologic significance of, 584
parasagittal, recurrent, resection of, with cortical vein anastomosis, 592
Meningitis, caused by methicillin-resistant *Staphylococcus aureus*, intrathecal injection of arbekacin for, 69
Meningomyelocele, repair, draping of infant for, 527-rc
Meralgia paraesthetica, 300-rc
Metronome, treatment of Parkinsonism with, 85-rc
Microsurgery, stereotactic transsylvian, transinsular approach for deep seated lesions and, 113
Middle cerebral artery aneurysm, complicated by tuberculosis, 448
Middle ear, adenoma, temporal lobe tumors and, 368
Monoclonal antibody, MIB-1, analysis of growth fraction of pituitary adenoma, 494
Morphine pump, implantation, intrathecal granuloma after, 288
Moyamoya disease, anastomosis of superficial temporal artery to middle cerebral artery with interposed occipital artery graft in, 615
Muscular dystrophies and inflammatory myopathies (CD-ROM) (Computer Forum), 638
Muslin, aneurysm reinforcement with, 477
Myelin basic protein antibodies, in neurofibromatosis-2-associated and nonassociated schwannoma, 395
Myelitis, lupus, spinal cord swelling and brain lesions in, 200
Myelography, intraoperative, with hypaque, 70
Myopathies inflammatory, and muscular dystrophies (CD-ROM) (Computer Forum), 638

N

Neoplasm-to-neoplasm metastasis, malignant carcinoid tumor of anterior mediastinum to prolactin-secreting pituitary adenoma, 389
Neovascularization, in vasoconstrictive surgery for radiation therapy-induced vasculopathy in children, 620
Network-like vessels, radiation-induced cerebrovasculopathy in children associated with, vasoreconstructive surgery for, 620
Neuroendoscopy, role in treatment of pineal region tumors, 360
Neurofibromatosis type 2
-associated schwannoma, embedded nerve tissue in, 395
cerebral meningioangiomatosis and, 255
Neurofilaments, in neurofibromatosis-2-associated and nonassociated schwannoma, 395
Neuroma, of sural nerve, as complication of stripping of the small saphenous vein, 330
Neurosarcoid, infiltration of ventricular catheter causing shunt failure, 527
Neuroscience for Kids (Computer Forum), 529
Neurosurgery
in Argentina, 207-ed
of peripheral nervous system, 446
in Vietnam, 307-ed
worldwide economics and, 209-le
Neurosurgery (CD-ROM), Computer Forum, 305
Neurosurgery quiz (Computer Forum), 205
Neurovascular surgery, future of, Part I: intracranial aneurysms, 98-ed

O

Obturator hernia, knee pain in, 420-rc
Occipital artery, interposed graft, in moyamoya disease, anastomosis of superior temporal artery to middle cerebral artery with, 615
Oncogenes, 200-rc
Orbital roof, growing fracture of, 184
Orbito-frontal contusions, delayed hemorrhagic, clinical course and neurosurgical treatment protocol, 333
Osteoma, cranial, classification and management, 143
Osteosynthesis systems, titanium, cranial, 632
Oxygen tension, cerebral interstitial tissue, 414

P

Pachymeningitis, hypertrophic cranial, involving pituitary gland, 58
Palsy, femoral nerve, 326
Paranasal sinus, giant schwannoma, 382
Parasagittal meningioma, recurrent, resection of, with cortical vein anastomosis, 592
Parasellar cyst, extradural, multiple infected, 53
Parkinsonism, treatment with metronome, 85-rc
Pearl and string signs, in vertebral dissecting aneurysm, 598
Periarthritis humeroscapularis. *See* Frozen shoulder
Pericallosal artery, mass, giant distal anterior cerebral artery aneurysm in presence of, 348
Peripheral nervous system, neurosurgery of, 446
Petrous bone, giant cell granuloma of, reparative, proliferative component, 64
Physician
in health care, perspective on changing scene for (editorial), 422

in specialties, similarities among, internationally (editorial), 425
Pineal region tumors, role of neuroendoscopy in treatment of, 360
Pituitary adenoma
clinical features and growth fractions, 494
Cushing's disease related to transsphenoidal adenomectomy via lateral rhinotomy approach in, 37
intrasellar meningioma mimicking, 374
prolactin-secreting, metastasis of malignant carcinoid tumor of anterior mediastinum to, 389
Pituitary gland, cranial pachymeningitis involving, 58
Pneumocephalus, symptomatic after transsphenoidal surgery, 575
Pons, capillary telangiectasia of, 87
Posterior medullary nerve, section, for vertigo, 85-rc
Practice development, philosophy of, 302
Prolactinoma, pituitary, metastasis of malignant carcinoid tumor of anterior mediastinum to, 389
Proliferating cell nuclear antigen, immunohistochemical study, for predicting recurrence in histologically benign meningiomas, 501
Proton density images, prediction of consistency of meningioma with, 579
Pyogenic abscess, multiple bihemispheric, diagnostic and staged stereotactic aspiration of, 278

R

Radiation therapy-induced vasculopathy, in children, vasoreconstructive surgery for, 620
Radiculopathy, two-level anterior cervical fusion with rigid internal fixation for, cost advantages of, 560
Radiosurgery, Gamma Knife, 7-le
Readers' Comments
Editorial comments on language, 642
Endoscopy for chronic SDH, 427
gamma knife radiosurgery, 7
MRI for CSF rhinorrhea, 530-le
Neurosurgery and worldwide economics, 209
Pearl jam, 313
Profession in retreat, 312
subdural-peritoneal shunt for SDH, 427
Trigger mechanisms of trigeminal neuralgia, 534
Renal transplant recipient, brain abscess in, 284
Resident's Corner
advice to a recent neurosurgery resident, 200, 300
Arterial subdural hematoma, 210
Draping an infant for repair of meningomyelocele, 527-rc
Eli's Pearls, 85, 202, 300, 313-le, 420, 529
Revascularization
of anterior cerebral artery using a free superficial temporal artery graft, 164
cerebral, occipital artery, for moyamoya disease, 615
hyperperfusion after, low cerebral blood flow and perfusion reserve induced, 125
Rhabdomyolysis, caused by intraoperative myelography with hypaque, 70
Rhinorrhea, CSF, magnetic resonance imaging for, 533-le

S

Saphenectomy, of small saphenous vein, neuroma of sural nerve as complication of, 330
Sarcoidosis
neurosarcoid, infiltration of ventricular catheter causing shunt failure, 527
spinal
diagnosis and management, 514
intramedullary, multiple, 522
Schizencephaly, with fused lips, epilepsy from, surgical treatment of, 507
Schwannoma
giant, skull base, 382
neurofibromatosis-2-associated and nonassociated, embedded nerve tissue in, 395
Shoulder, dislocated, nerves involved in, 301-rc
Shunt
failure, neurosarcoid infiltration of ventricular catheter causing, 527
subdural-peritoneal shunt for SDH, 427-le
ventriculoperitoneal, management, use of practice guidelines to evaluate practice and control costs in, 536
Skull base
chondroma, surgical removal of, 153
schwannoma, giant, 382
surgery, transpetrosal approach, for craniopharyngioma, brain stem compression secondary to adipose graft prolapse after, 80
Skull neoplasms, osteoma, classification and management, 143
Small saphenous vein, stripping of, neuroma of sural nerve as complication of, 330
Socioeconomic issues, Canadian Health Care System, 86
Spinal cord
sarcoidosis. *See* Sarcoidosis
subarachnoid hematoma, traumatic, 189
swelling, in lupus myelitis, 200
tethered, management of, 320
tissue, late ultrastructural changes, in syringomyelia, 246
Spinal drain, aneurysmal subarachnoid hemorrhage, 338
Spinal dural arteriovenous malformation, radiculomeningocele, importance of gravity in symptoms and magnetic resonance imaging of, 352
Spinal instruments, with low complication rate, 566
Spinal stability, vascularized pedicled laminoplasty and, 442
Spine
chordoma, 46
posterior aspect of, location of intervertebral lumbar disc on, 232
primary solitary amyloidosis of, 405
Staphylococcus aureus, methicillin resistant, meningitis caused by, intrathecal injection of arbekacin for, 69
Stenotic myelopathy, cervical spine, expansive laminoplasty for, prognostic factors following, evaluation of, 237
Stereotaxy
application to brain tumor resection, cost reduction by, 542
brain biopsy, computerized tomography and magnetic resonance imaging guided, in nonimmunocompromised and AIDS patients, 267
diagnostic and staged aspiration of multiple bihemispheric pyogenic brain abscesses, 278

placement of depth and subdural strip electrodes, in limbic epilepsy, 74
transsylvian, transinsular approach for deep seated lesions, 113
Subarachnoid hemorrhage
after acute aneurysm surgery, frozen shoulder development and prevention and, 19
aneurysmal, spinal drainage and early surgery in, 338
intracranial dissecting aneurysm causing, angiography of, 477
traumatic, 189
Subdural hematoma
acute, symptomatic, rapid resolution of, 189
arterial, 210-le
chronic
endoscopy for, 427-le
surgical treatment and outcome, 220
subdural-peritoneal shunt for, 427-le
Subpial resection, for epilepsy from schizencephaly with fused lips, 507
Subtemporal approach to operation on high-lying basilar bifurcation aneurysms, 458
Superficial temporal artery graft, free, revascularization of anterior cerebral artery using, 164
Superficial-temporal artery-middle cerebral artery (STA-MCA) bypass, hyperperfusion after, low cerebral blood flow and perfusion reserve induced, 125
Superior sagittal sinus meningioma, resection with cortical vein anastomosis, 592
Sural nerve, neuroma of, as complication of stripping of the small saphenous vein, 330
Surgery. *See also* Microsurgery; Neurosurgery; specific procedure
acute aneurysm, frozen shoulder development and prevention after, 19
cavernous sinus cavernoma, 160
for central cord syndrome, efficacy of, 435
for cranial osteoma, 143
removal of cavernous sinus chondroma, 153
Surgical excision, of solid brain stem tumors, 30
Surgical resection, of cavernous malformations, 9
Syringomyelia, experimental, late ultrastructural changes of spinal cord tissue and magnetic resonance imaging evaluation, 246
Systemic lupus erythematosus, myelitis and, spinal cord swelling and brain lesions in, 200

T
T1, T2-weighted images, prediction of consistency of meningioma with, 579
Tc-99m-hexamethylpropylene amine oxime, evaluation of remote effects of brain retraction on regional cerebral blood flow and cerebrovascular reserve, 511
Telangiectasia
capillary, of pons, 87
intracerebral capillary, 175
Temporal bone
chondromyxoid fibroma of, 148
papillary tumors of, features, 368
Temporal lobe, examination, in limbic epilepsy, 74
Thrombosis, deep cerebral venous, isolated, treated by direct endovascular thrombolysis, 261
Titanium osteosynthesis systems, cranial, 632
Transcondylar approach for dural arteriovenous fistulas of cervicomedullary junction, 627
Transection, multiple subpial, 106
Transient ischemic attack, neovascular glaucoma and, 357
Transsphenoidal surgery
adenomectomy via lateral rhinotomy approach, in Cushing's disease, 37
computed tomography-guided, of postsurgical cerebrospinal fluid fistula, 409
symptomatic pneumocephalus after, 575
Transzygomatic approach to operation on high-lying basilar bifurcation aneurysms, 458
Treatment outcomes, in fixed compensation population, 552
Trigeminal neuralgia, trigger mechanisms of, 534-le
Tuberculosis, middle cerebral artery aneurysm complicated by, 448
Tumor. *See* specific body area; specific tumor; specific type of tumor
Tumor suppressor gene, 200-rc

U
Urokinase, treatment of isolated deep cerebral venous thrombosis with, 261

V
Vascular anatomy, of cisternal segment of hypoglossal nerve, 85
Vascular clip, temporary, balloon-controlled, 345
Vascular malformation, stereotactic transsylvian, transinsular approach for deep seated lesions, 113
Vascularized pedicle, laminae with, laminoplasty using, 442
Vasculopathy, radiation therapy-induced, in children, vasoreconstructive surgery for, 620
Vasoreconstructive surgery, for radiation therapy-induced vasculopathy, in children, 620
Vasospasm, in aneurysmal subarachnoid hemorrhage drainage, 338
Venous malformation, intracerebral capillary telangiectasia associated with, 175
Ventriculoscope, role in treatment of pineal region tumors, 360
Vertebral aneurysm, dissecting, classification and treatment of, 598
Vertebral artery
prevertebral segment of, course of, anatomy and clinical significance, 125
as source of blood supply to cisternal segment of hypoglossal nerve, 85
Vertigo, section of posterior medullary nerve for, 85-rc
Vietnam, neurosurgery in, 307-ed
Visible Human Project (Computer Forum), 638

W
Worker's compensation, outcome of lumbar disc surgery and, 552